

Converting Colors

XYZ(48.7261, 73.9858, 32.7637)

Have a look what the booklet for
XYZ(48.7261, 73.9858, 32.7637)
contains.

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Color

**XYZ(48.7916, 74.0625,
32.8430)**

Conversions

Conversions Part 1

Format	Color
Hex	90F782
RGB	144, 247, 130
RGB Percent	56%, 97%, 51%
CMY	0.4353, 0.0314, 0.4902
CMYK	0.42, 0.00, 0.47, 0.03
HSL	113°, 88%, 74%
HSV	113°, 47%, 97%
XYZ	48.7916, 74.0625, 32.8430
YIQ	202.8650, -23.8310, -58.2230

Conversions

Conversions Part 2

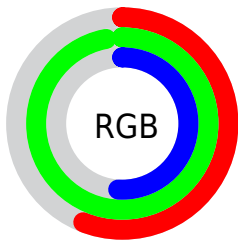
Format	Color
RYB	130, 247, 233
Decimal	9500546
CIELab	88.95, -52.03, 46.82
CIELCh	89, 69.996, 138.016
Yxy	74.0625, 0.3134, 0.4757
Android (android.graphics.Color)	4287690626 (0xFF90F782)
YUV	202.8650, -35.9224, -51.6246
Hunter-Lab	86.0596, -49.4034, 37.6148

Details

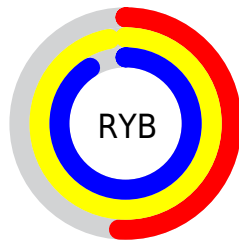
The XYZ color **48.7916, 74.0625, 32.8430** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.3790, 40.0067, 92.6448**, and the grayscale version is **56.9106, 59.8744, 65.2033**.

A 20% lighter version of the original color is **68.8741, 87.5793, 59.1734**, and **23.6264, 39.3554, 13.5588** is the 20% darker color. If you saturate the color by 10%, you get **43.8899, 71.7069, 24.9739**, and if you desaturate by 10%, it is **54.8265, 76.9607, 42.8453**.

Distribution



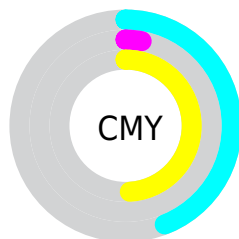
- Red (56%)
- Green (97%)
- Blue (51%)



- Red (51%)
- Yellow (97%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (47%)
- Black (3%)





- Cyan (44%)
- Magenta (3%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7916, 74.0625, 32.8430 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 48.7916, 74.0625, 32.8430 by changing the saturation by 10% instead.


 48.7916, 74.0625,
32.8430

 48.7916, 74.0625,
32.8430


372.4519,
474.6890, 329.5520


 34.6680, 54.8452,
21.7361


 87.5844, 124.9844,
65.2435

 23.5726, 39.2778,
13.4666


 112.9844,
157.4578, 87.3742

 15.1399, 26.9759,
7.6162


 142.8740,
195.1187, 114.0165

 9.0046, 17.5551,
3.7661

177.6184,
238.3514, 145.5890

 4.8013, 10.6311,
1.4979

217.5830,
287.5404, 182.5103

 2.1647, 5.8193,
0.2164


263.1332,

 0.7240, 2.7355,


343.0701, 225.1989


0.0000


314.6344,
405.3248, 274.0732


 0.0000, 0.9953,
0.0000


 0.0000, 0.0000,
0.0000


 48.7916, 74.0625,
32.8430

 48.7916, 74.0625,
32.8430


 43.8899, 71.7069,
24.9739

 54.8265, 76.9607,
42.8453

 40.0447, 69.8511,
19.0787

 62.0539, 80.4225,
55.1150


 37.1785, 68.4612,
14.9836


 70.5355, 84.4791,
69.7811

 35.2006, 67.4949,
12.4828

 80.3272, 89.1568,
86.9615

 34.0003, 66.9009,
11.3078

 91.4816, 94.4802,
106.7663

 33.7846, 66.7938,
11.1119

 92.5523, 95.0045,
108.0674

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7641, 74.0625, 20.3706



48.7916, 74.0625, 32.8430



43.0242, 74.0625, 62.7289

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.7916, 74.0625, 32.8430



63.8249, 74.0625, 211.1915



106.2648, 74.0625, 55.0231

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.7916, 74.0625, 32.8430



58.3790, 40.0067, 92.6448

Split Complementary

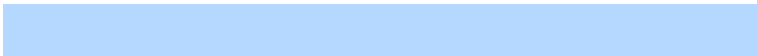
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.4401, 74.0625, 101.6755



48.7916, 74.0625, 32.8430



80.9915, 74.0625, 206.3862

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.7916, 74.0625, 32.8430



50.7206, 74.0625, 172.1223



97.5840, 74.0625, 160.8358



94.5924, 74.0625, 29.1639

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7916, 74.0625, 32.8430



42.7418, 74.0625, 94.4077



97.5840, 74.0625, 160.8358



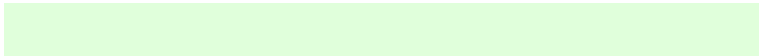
107.9618, 74.0625, 68.2831

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.7934, 74.0656, 32.8446



79.1934, 92.4291, 80.8918



71.0783, 78.7654, 32.5773



16.4819, 19.5596, 16.4947



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.7934, 74.0656, 32.8446



47.3136, 77.1532, 27.0505



50.0022, 74.2840, 51.1892



16.4663, 18.5669, 17.5135



17.9274, 35.3547, 5.8793



1.6339, 3.1373, 0.5195

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.3790, 40.0067, 92.6448



58.7177, 36.4064, 98.5401



57.2541, 40.1058, 61.9159



17.0071, 16.6618, 20.8622



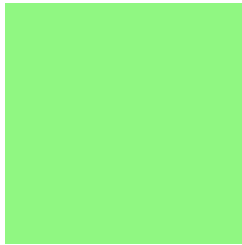
24.1640, 11.4313, 47.4709



2.1777, 1.0325, 4.1748

Previews

White Background



This preview shows how the XYZ color 48.7916, 74.0625, 32.8430 looks on a white background.

Color Contrast Check

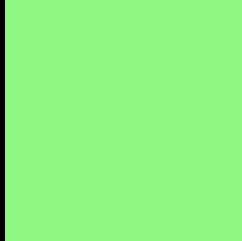
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 48.7916, 74.0625, 32.8430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

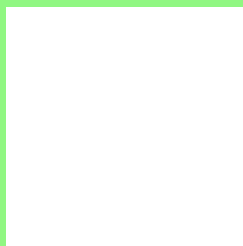
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7916, 74.0625, 32.8430

Background



This preview shows how black text looks on a background with the XYZ color 48.7916, 74.0625, 32.8430.



This preview shows how white text looks on a background with the XYZ color 48.7916, 74.0625,

32.8430.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

48.7916, 74.0625, 32.8430

Protanopia

66.8807, 72.8561, 28.6268

Deuteranopia

72.7961, 72.7632, 48.2381



Tritanopia

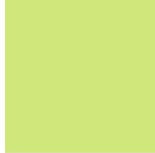
62.6460, 73.5216, 102.9848

Trichromacy



Original Color

48.7916, 74.0625, 32.8430



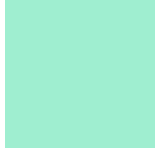
Protanomaly

58.2264, 72.0170, 29.9006



Deuteranomaly

61.4098, 71.7518, 41.6232



Tritanomaly

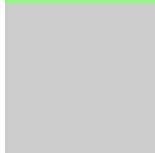
56.2578, 73.0741, 70.8141

Monochromacy



Original Color

48.7916, 74.0625, 32.8430



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.4594, 63.7427, 50.6130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7916, 74.0625, 32.8430 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(144, 247, 130)` looks like.

```
.text, #text, p{  
    color:rgb(144, 247, 130)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(144, 247, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 247, 130) }
```

Border

The CSS property to change the border of an element to XYZ 48.7916, 74.0625, 32.8430 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(144, 247, 130) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(144, 247, 130) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(144, 247, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 247, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 247, 130);  
box-shadow:4px 4px 4px 4px rgb(144, 247,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7916, 74.0625, 32.8430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 247, 130) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(144,  
247, 130) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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